



4.- [0,9 puntos] Calcula las siguientes potencias:

$$-2^2 =$$

$$(+1)^{1785} =$$

$$(-1)^{122} =$$

$$(-10)^3 =$$

$$10^5 =$$

$$-10^6 =$$

5.- [0,9 puntos] Reduce a una sola potencia usando las propiedades de estas:

$$a) (2^7 \cdot 2^4) : (2^6 \cdot 2) =$$

$$= \quad : \quad =$$

$$=$$

$$b) (21^8 : 7^8) : (3^2)^3 =$$

$$= \quad : \quad =$$

$$=$$

$$c) (-6)^{10} : (-6)^9 \cdot (-6) =$$

$$= \quad \cdot (-6) =$$

$$=$$

5.- [3 puntos] Calcula paso a paso y simplifica los resultados:

$$\frac{5}{3} : \left(\frac{3}{5} - \frac{3}{10} \right) + 1 =$$

$$= \frac{5}{3} : \left(\frac{\quad}{10} - \frac{\quad}{10} \right) + 1 =$$

$$= \frac{5}{3} : \frac{\quad}{\quad} + 1 =$$

$$= \frac{\quad}{\quad} + 1 = \frac{\quad}{\quad} + \frac{\quad}{\quad} =$$

$$= \frac{\quad}{\quad}$$

$$\left[\frac{2}{5} + 3 \cdot \left(\frac{2}{5} - \frac{3}{10} \right) \right] : \frac{1}{2} =$$

$$= \left[\frac{2}{5} + 3 : \left(\frac{\quad}{10} - \frac{\quad}{10} \right) \right] : \frac{1}{2} =$$

$$= \left[\frac{2}{5} + 3 \cdot \frac{\quad}{10} \right] : \frac{1}{2} =$$

$$= \left(\frac{2}{5} - \frac{\quad}{\quad} \right) : \frac{1}{2} = \left(\frac{2}{10} - \frac{\quad}{10} \right) : \frac{1}{2} =$$

$$= \frac{\quad}{10} : \frac{1}{2} = \frac{\quad}{\quad} =$$